

- In re Appln. of HATTA et al.
Application No. Unassigned

ABSTRACT AMENDMENTS

Replace the Abstract with:

A differential drive type semiconductor optical modulator ~~according to the present invention~~ includes: a differential driver circuit having output pads which can output a pair of differential signals; a transmission-line substrate having transmission lines connected to the output pads and ground lines; and semiconductor modulators mounted on the transmission-line substrate, ~~being~~ arranged in series along a common ~~optic~~ optical axis; wherein terminal resistors ~~are~~ connected to terminal ends of the transmission lines and inductances ~~are~~ interposed between the semiconductor modulators and the terminal resistors, on the transmission-line substrate, ~~thereby obtaining~~ producing an appropriate optical modulation waveform with a high extinction ratio and ~~remarkably enhance a frequency bandwidth of~~ enhanced modulation bandwidth.